



CHESAPEAKE BAY TMDL

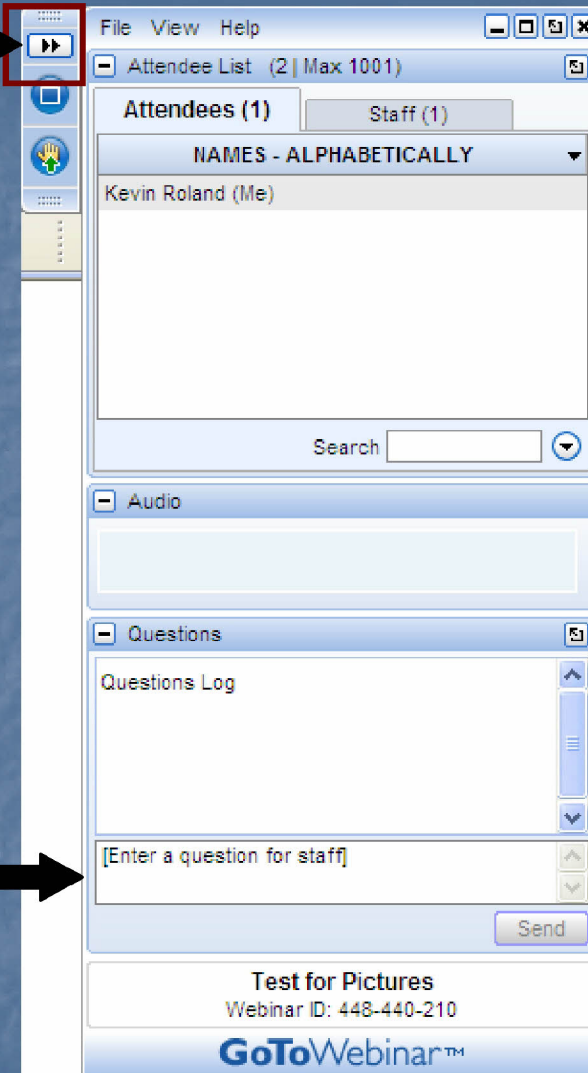
Restoring Local Waters and the Chesapeake Bay

**Webinar No. 6 in
Series
August 19, 2010**

- Click the double arrow to show or hide your control panel

- Type your questions here.
(Indicate organization)

Note: Because of the large audience, not all questions will be answered, but they will be saved, and your questions may help drive future events and could contribute to a FAQ.





Technical Issues?

Contact:

- **Citrix Global Customer Support**

1-800-263-6317

Today's Presenters

- **Bob Koroncai**, Chesapeake Bay TMDL Manager, EPA Region 3
- **Rich Batiuk**, Associate Director for Science, EPA Chesapeake Bay Program Office
- **Dr. Hamid Karimi**, Deputy Director, Office of Natural Resources, District Department of the Environment

AGENDA

- **Key Updates– Bob Koroncai**
- **Schedule Ahead – Rich Batiuk**
- **D.C.'s Watershed Implementation Plan Progress – Dr. Hamid Karimi**
- **Questions and Answers**

A Busy Summer

- States, D.C. developing Watershed Implementation Plans
- EPA announced draft nutrient and sediment limits
- EPA preparing draft Bay TMDL for public comment that begins Sept. 24

Chesapeake Bay Basin-Jurisdiction Sediment Allocations

Sediment Announcement

- Draft sediment limits announced by EPA on Aug. 13
- Excess sediment clouds the water, blocking sunlight from reaching underwater grasses
- Grasses needed for shelter, survival by young fish, blue crabs and other aquatic life

SAV Water Quality Standards

- State WQS are based on achieving Submerged Aquatic Vegetation (SAV) acreage goals
 - The SAV goals established on 'best year' of 40-70+ year historical record dating back to the 1930s and 1950s

SAV WQS Attainment

- Acres of SAV is the primary WQS
- Total SAV acres =
measured SAV acres +
measured clarity acres/2.5

Attainment Status

- The existing SAV/WQ data shows significant non-attainment
 - 66 of 92 segments in non-attainment in 2008
 - Only 46% of the bay-wide acreage goal of 185,000 acres is being attained

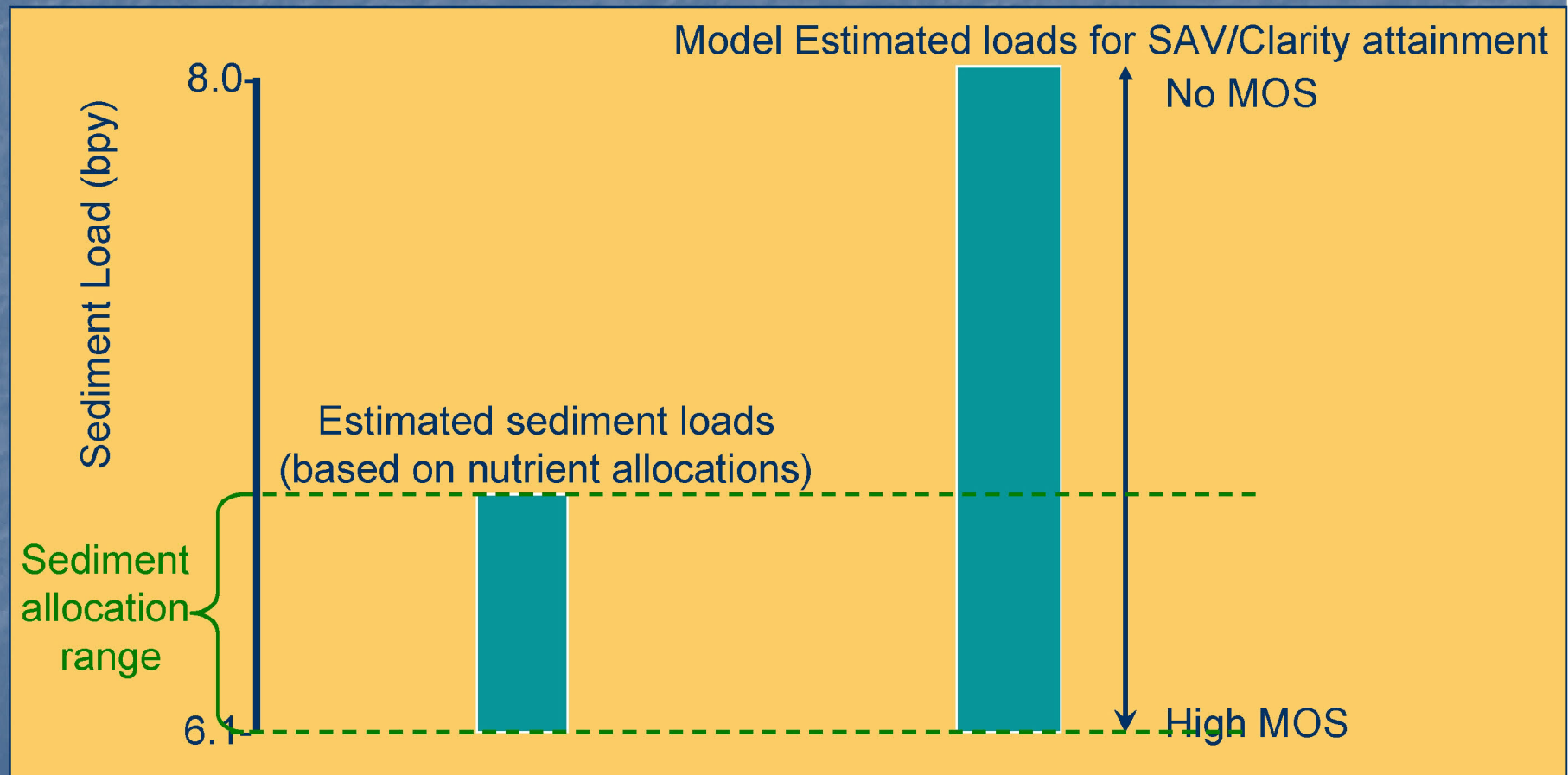
Margin of Safety

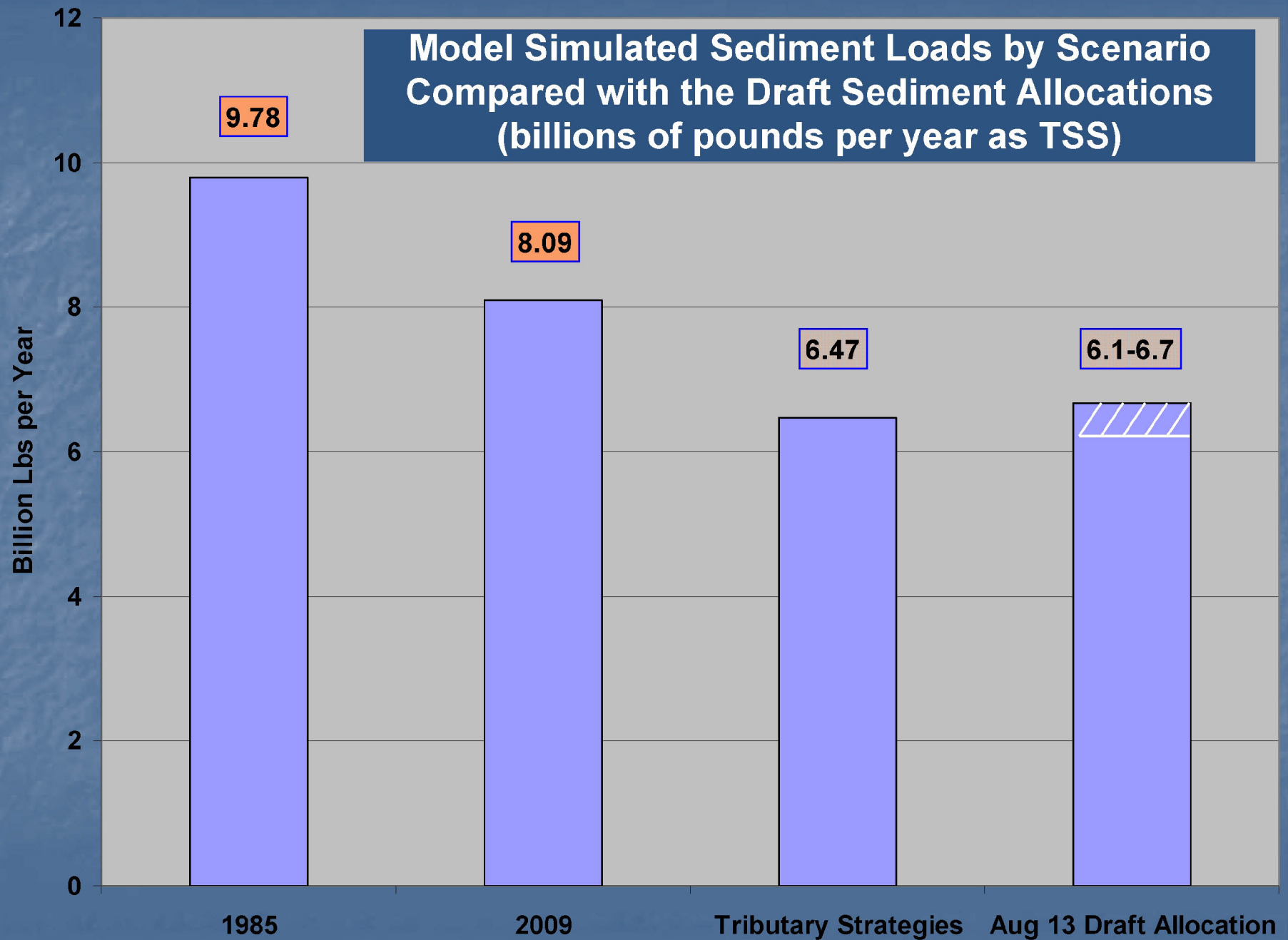
- Modeled results show more attainment than monitored results
- In a TMDL, where there is uncertainty, an explicit margin of safety is appropriate
- The draft sediment allocations reflect the application of an explicit margin of safety

Nutrient controls drive sediment controls

- Draft nutrient allocations have been established (July 1st)
- Many nutrient controls, especially P controls, also result in sediment reductions
- The nutrient allocations will drive substantial sediment controls

Sediment Load vs SAV/Clarity Attainment





Basin-Jurisdiction Sediment Allocations

- Set basin and jurisdiction ranges that add up to a bay-wide range of 6.1-6.7 bpy
- Gives states some flexibility in draft WIPs
- Based on state draft WIPs, the draft TMDL will have single number sediment allocations for the 92 segments
 - May need to redistribute sediment loads among some segments to achieve SAV WQS
- Based on final WIPs and public input, the final TMDL will have single number sediment allocations

Chesapeake Bay Watershed Sediment Draft Allocations by Basin

Basin/Jurisdiction	Sediment Allocation Range (million pounds total suspended solids (TSS) per year)
Susquehanna	2,013-2,214
Eastern Shore	256-281
Western Shore	155-171
Patuxent	82-90
Potomac	1,920-2,113
Rappahannock	681-750
York	107-118
James	852-937
Total Basinwide Draft Allocation	6,066-6,673

Chesapeake Bay Watershed Sediment Draft Allocations by Basin

Basin/Jurisdiction	Sediment Allocation Range (million pounds total suspended solids (TSS) per year)
Pennsylvania	1,903-2,093
Maryland	1,116-1,228
Virginia	2,446-2,691
District of Columbia	10-11
New York	293-322
Delaware	58-64
West Virginia	241-265
Total Basinwide Draft Allocation	6,066-6,673

What's Next on the Schedule

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■ Draft Watershed Implementation Plans

- September 1: Jurisdictions' draft Phase I Watershed Implementation Plans due to EPA

■ Public Comment Period

- Sept. 24 - Nov 8: Start of the 45 day public comment period
- Draft Bay TMDL and supporting documentation available for public review and comment

What's Next on the Schedule

■ Final Watershed Implementation Plans

- November 29: Jurisdictions' final Phase I Watershed Implementation Plans due to EPA

■ Final Bay TMDL

- By December 31: EPA publication of the final Chesapeake Bay TMDL
- Noticed in the Federal Register and posted on-line

What's Next on the Schedule

- Draft TMDL will be available for review on the website
 - <http://www.epa.gov/chesapeakebaytmdl/>
- Draft also available for review at EPA Region 3 office
 - 1650 Arch Street, Philadelphia, PA 19103
 - Arrangements must be made in advance to review at the regional office
- Comments will be accepted electronically or in writing
 - Detailed information on how and where to submit comments will be in Draft TMDL

What's Next on the Schedule

- A series of 18 public meetings will be held across the watershed in each jurisdiction concurrent with public comment period

Public Meeting Locations

- Washington D.C.
 - Wednesday, September 29

- Virginia
 - Harrisonburg: Monday, October 4
 - Annandale: Tuesday, October 5
 - Richmond, Wednesday October 6
 - Webinar: Thursday, October 7
 - Hampton: Thursday, October 7

Public Meeting Locations

- Delaware
 - Georgetown: Monday, October 11
- Maryland
 - Easton: Tuesday, October 12
 - Annapolis: Wednesday, October 13
 - Hagerstown: Thursday, October 14

Public Meeting Locations

- Pennsylvania
 - Lancaster: Monday, October 18
 - State College: Tuesday, October 19
 - Williamsport: Wednesday, October 20
 - Ashley: Thursday, October 21

Public Meeting Locations

- New York
 - Elmira: Tuesday, October 26
 - Binghamton: Wednesday, October 27
- West Virginia
 - Martinsburg: Wednesday, November 3
 - Romney: Thursday, November 4

Public Meeting Locations

- More information on the public meetings, including specific times and locations can be found on the EPA website:
 - <http://www.epa.gov/chesapeakebaytmdl/>